

In the Claims:

- 1 1. (Original) A method, comprising:
2 determining availability of wireless networks supported by an asset monitoring
3 device;
4 performing a weighted score analysis of the available wireless networks as a
5 function of network attributes and data segment attribute weights; and
6 selecting one of the available wireless networks to transmit a data segment based
7 on the weighted score analysis.
- 1 2. (Original) The method of claim 1, wherein the selecting selects a wireless
2 network having a highest weighted score.
- 1 3. (Original) The method of claim 1, wherein the selecting selects a wireless
2 network having a lowest weighted score.
- 1 4. (Original) The method of claim 1, wherein the weighted score analysis uses a
2 linear weighted score algorithm.
- 1 5. (Currently Amended) The method of claim 1, wherein the weighted score analysis
2 uses ~~an exponential~~ a non-linear weighted score algorithm.
- 1 6. (Original) The method of claim 1, wherein the network attributes include cost,
2 speed, reliability, security, and latency.
- 1 7. (Original) The method of claim 1, further comprising transmitting the data
2 segment over a selected wireless network.

1 8. (Original) The method of claim 1, wherein the available wireless networks have
2 been predetermined to have sufficient bandwidth to transmit the data segment.

1 9. (Original) A machine-readable medium having stored thereon instructions to
2 cause an asset monitoring device to:
3 determine availability of wireless networks supported by the asset monitoring
4 device;
5 perform a weighted score analysis of the available wireless networks as a function
6 of network attributes and data segment attribute weights; and
7 select one of the available wireless networks to transmit a data segment based on
8 the weighted score analysis.

1 10. (Original) The machine-readable medium of claim 9, wherein the instruction to
2 select selects a wireless network having a highest weighted score.

1 11. (Original) The machine-readable medium of claim 9, wherein the instruction to
2 select selects a wireless network having a lowest weighted score.

1 12. (Original) The machine-readable medium of claim 9, wherein the weighted score
2 analysis uses a linear weighted score algorithm.

1 13. (Original) The machine-readable medium of claim 9, wherein the weighted score
2 analysis uses an non-linear weighted score algorithm.

1 14. (Original) The machine-readable medium of claim 9, wherein the network
2 attributes include cost, speed, reliability, security, and latency.

1 15. (Original) The machine-readable medium of claim 9, further comprising an
2 instruction to transmit the data segment over a selected wireless network.

1 16. (Currently Amended) The machine-readable medium of claim 9 ~~claim 1~~, wherein
2 the available wireless networks have been predetermined to have sufficient bandwidth to
3 transmit the data segment.

1 17. (Original) An asset monitoring device, comprising:
2 means for determining availability of wireless networks supported by an asset
3 monitoring device;
4 means for performing a weighted score analysis of the available wireless
5 networks as a function of network attributes and data segment attribute weights; and
6 means for selecting one of the available wireless networks to transmit a data
7 segment based on the weighted score analysis.

1 18. (Original) A remote asset monitoring device, comprising:
2 a remote asset monitoring engine capable to generate remote asset monitoring
3 data segments to transmit over a wireless network;
4 a network attributes file capable to store attributes of wireless networks supported
5 by the device;
6 a data segment attribute weights file capable to store attribute weights for data
7 segment types generated by the remote asset monitoring engine;

8 a network selection engine, communicatively coupled to the remote asset
9 monitoring engine, the network attributes file, and the data segment attribute weights file,
10 capable to:
11 determine availability of the wireless networks supported by the device;
12 determine which of the available wireless networks have sufficient
13 bandwidth to transmit a data segment;
14 perform a weighted score analysis of the available wireless networks
15 having sufficient bandwidth as a function of
16 network attributes from attributes in the network attributes file and
17 data segment attribute weights for a generated data segment type
18 using weights stored in the data segment attribute weights file; and
19 select a wireless network to transmit the data segment based on the
20 weighted score analysis.

1 19. (Original) The device of claim 18, wherein the network selection engine selects a
2 wireless network having a highest weighted score.

1 20. (Original) The device of claim 18, wherein the network selection engine selects a
2 wireless network having a lowest weighted score.

1 21. (Original) The device of claim 18, wherein the network selection engine uses a
2 linear weighted score algorithm to perform the weighted score analysis.

1 22. (Currently Amended) The device of claim 18, wherein the network selection
2 engine uses a non-linear ~~an non-linear~~ weighted score algorithm to perform the
3 weighted score analysis.

1 23. (Original) The device of claim 18, wherein the network attributes include cost,
2 speed, reliability, security, and latency.

1 24. (Original) The device of claim 18, wherein the network selection engine is further
2 capable to transmit the data segments over a selected wireless network.